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PATENT  
Customer No. 22,852  
Attorney Docket No. 10676.0007

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:	)	
	)	
Donald GULLBERG	)	Group Art Unit: 1644
	)	
Application No.: 09/980,403	)	Examiner: Haddad, Maher M.
	)	
Filed: April 15, 2002	)	
	)	
For: AN INTEGRIN HETERODIMER	)	Confirmation No.: 3147
AND AN ALPHA SUBUNIT	)	
THEREOF	)	

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

**REPLY TO OFFICE ACTION**

In reply to the Office Action dated April 10, 2008, Applicant provides the following amendments and remarks. Please reconsider the application in light of the remarks.

**Amendments to the Claims** begin on page 2 of this paper.

**Remarks** begin on page 4 of this paper.